

FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

KCC-16,727

SERIAL NO.

10/015,935

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)



APPLICANT(S)

Raymond Gerard St. LOUIS et al.

FILING DATE

12 December 2001

GROUP

9761 3700

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>Km</i>	AA	3,338,992	08/1967	Kinney			
	AB	3,341,394	09/1967	Kinney			
	AC	3,502,538	03/1970	Petersen			
	AD	3,502,763	03/1970	Hartmann			
	AE	3,542,615	11/1970	Dobo et al.			
	AF	3,692,618	09/1972	Dorschner et al.			
	AG	3,802,817	04/1974	Matsuki et al.			
	AH	3,849,241	11/1974	Butin et al.			
	AI	4,340,563	07/1982	Appel et al.			
	AJ	4,704,116	11/1987	Enloe			
	AK	4,940,464	07/1990	Van Gompel et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR		
	AS		
	AT		

EXAMINER

Km. Lechle

DATE CONSIDERED

8-11-02

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

USCOMM-DC 80-3985

P1005.1/ paf

FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

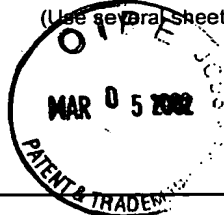
KCC-16,727

SERIAL NO.

10/015,935

LIST OF PRIOR ART CITED BY APPLICANT

(Use separate sheets if necessary)



APPLICANT(S)

Raymond Gerard St. LOUIS et al.

FILING DATE

12 December 2001

GROUP

3761 8760

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>mm</i>	AA	5,046,272	09/1991	Vogt et al.	X	X	
	AB	5,104,116	04/1992	Pohjola			
	AC	5,224,405	07/1993	Pohjola			
	AD	5,674,216	10/1997	Buell et al.			
	AE	5,766,389	06/1998	Brandon et al.			
	AF	5,882,573	03/1999	Kwok et al.			
	AG	5,902,540	05/1999	Kwok			
	AH	5,904,298	05/1999	Kwok et al.			
	AI	4,402,688	09/1983	Julemont			
	AJ	4,500,316	02/1985	Damico			
	AK	4,837,715	06/1989	Ungpiyakul et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>mm</i>	AL	0 873 738	10/1998	EPO	X	X		
	AM	0 806 196	11/1997	EPO				
	AN	10-165438	06/1998	Japan				
	AO	0 689 815	01/1996	EPO				
	AP	0 396 800	08/1995	EPO				

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	
	AS	
	AT	

EXAMINER

K-M. Reiche

DATE CONSIDERED

9-11-03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

USCOMM-DC 80-3985

P1005.1/ paf

FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

KCC-16,727

SERIAL NO.

10/015,935

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)



APPLICANT(S)

Raymond Gerard St. LOUIS et al.

FILING DATE

12 December 2001

GROUP

3701 3700

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>Rm</i>	AA	4,938,757	07/1990	Van Gompel et al.			
	AB	4,940,464	07/1990	Van Gompel et al.			
	AC	5,163,932	11/1992	Nomura et al.			
	AD	5,342,341	08/1994	Igaue et al.			
	AE	5,415,649	05/1995	Watanabe et al.			
	AF	5,449,353	09/1995	Watanabe et al.			
	AG	5,545,158	08/1996	Jessup			
	AH	5,674,216	10/1997	Buell et al.			
	AI	6,009,558	01/2000	Rosch et al.			
	AJ	6,245,168	06/2001	Coenen et al.			
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>Rm</i>	AL	0 155 636	09/1985	EPO				
	AM	00/59429	10/2000	PCT				
	AN	0 888 101	05/2001	EPO				
	AO	2 253 131	10/1997	Great Britain				
	AP	0 901 780	03/1999	EPO				

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	
	AS	
	AT	

EXAMINER

K.M. Reiche

DATE CONSIDERED

9-11-07

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

USCOMM-DC 80-3985

P1005.1/ paf



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of Invention	SEPARATED TARGETED ELASTIC ZONE FOR IMPROVED PROCESS AND PRODUCT FUNCTION						
<p>Application Number: 10/015935 Confirmation Number: 2923 First Named Applicant: Raymond St. Louis Attorney Docket Number: KCC-16,727 Art Unit: 3761 Examiner: Karin Reichle Search string: (2206761 or 2266761 or 2357392 or 2464301 or 2483405 or 2957512 or 2957852 or 3186893 or 3371668 or 3391048 or 3439085 or 3449187 or 3468748 or 3489148 or 3575782 or 3616129 or 3629047 or 3669823 or 3673026 or 3676242 or 3689342 or 3752613 or 3773590 or 3806289 or 3836416 or 3838692 or 3857144 or 3860003 or 3890184 or 3904465 or 3912567 or 3917448 or 3932328 or 3949128 or 3949130 or 3973063 or 3978185 or 3979050 or 4013816 or 4028292 or 4038346 or 4080348 or 4090385 or 4107364 or 4148676 or 4209563 or 4211807 or 4239578 or 4241123 or 4248652).pn.</p> <p>RECEIVED JUL 21, 2003 TC 3700 MAIL ROOM</p>							
US Patent Documents							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
RA	1	2206761	1940-07-02	Bergstein			
	2	2266761	1941-12-23	Jackson, Jr., et al.			
	3	2357392	1944-09-05	Francis, Jr.			
	4	2464301	1949-03-15	Francis, Jr.			
	5	2483405	1949-10-04	Francis, Jr.			
	6	2957512	1960-10-25	Wade et al.			
	7	2957852	1960-10-25	Frankenburg et al.			
	8	3186893	1965-06-01	Mercer			
✓	9	3371668	1968-03-05	Johnson			



10	3391048	1968-07-02	Dyer et al.
11	3439085	1969-04-15	Hartmann
12	3449187	1969-06-10	Bobkowicz
13	3468748	1969-09-23	Bassett
14	3489148	1970-01-13	Duncan et al.
15	3575782	1971-04-20	Hansen
16	3616129	1971-10-26	Sager
17	3629047	1971-12-21	Davison
18	3669823	1972-06-13	Wood
19	3673026	1972-06-27	Brown
20	3676242	1972-07-11	Prentice
21	3689342	1972-09-05	Vogt et al.
22	3752613	1973-08-14	Vogt et al.
23	3773590	1973-11-20	Morgan
24	3806289	1974-04-23	Schwarz
25	3836416	1974-09-17	Ropiequet
26	3838692	1974-10-01	Levesque
27	3857144	1974-12-31	Bustin
28	3860003	1975-01-14	Buell
29	3890184	1975-06-17	Morgan
30	3904465	1975-09-09	Haase et al.
31	3912567	1975-10-14	Schwartz
32	3917448	1975-11-04	Wood
33	3932328	1976-01-13	Korpman
34	3949128	1976-04-06	Ostermeier
35	3949130	1976-04-06	Sabee et al.
36	3973063	1976-08-03	Clayton
37	3978185	1976-08-31	Buntin et al.
38	3979050	1976-09-07	Cilia
39	4013816	1977-03-22	Sabee et al.
40	4028292	1977-06-07	Korpman
41	4038346	1977-07-26	Feeney
42	4080348	1978-03-21	Korpman
43	4090385	1978-05-23	Packard
44	4107364	1978-08-15	Sisson
45	4148676	1979-04-10	Paquette et al.

RECEIVED
JUL 24 2003
TC 3700 MAIL ROOM



<input checked="" type="checkbox"/>	46	4209563	1980-06-24	Sisson
<input type="checkbox"/>	47	4211807	1980-07-08	Yazawa et al.
<input type="checkbox"/>	48	4239578	1980-12-16	Gore
<input type="checkbox"/>	49	4241123	1980-12-23	Shih
<input checked="" type="checkbox"/>	50	4248652	1981-02-08	Civardi et al.

Signature

Examiner Name	Date
<i>K-M. Rendle</i>	<i>9-11-03</i>

RECEIVED
JUL 24 2003
TO 3700 MAIL ROOM



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	SEPARATED TARGETED ELASTIC ZONE FOR IMPROVED PROCESS AND PRODUCT FUNCTION																																																																																
Application Number:	10/015935																																																																																
Confirmation Number:	2923																																																																																
First Named Applicant:	Raymond St. Louis																																																																																
Attorney Docket Number:	KCC-16,727																																																																																
Art Unit:	3761																																																																																
Examiner:	Karin Reichle																																																																																
Search string:	(5005215 or 5013785 or 5028646 or 5034008 or 5045133 or 5060349 or 5073436 or 5093422 or 5100435 or 5108820 or 5112889 or 5114087 or 5116662 or 5147487 or 5169706 or 5169712 or 5176668 or 5176672 or 5186779 or 5192606 or 5198281 or 5200246 or 5204429 or 5209801 or 5219633 or 5226992 or 5229191 or 5232777 or 5236430 or 5236770 or 5238733 or 5246433 or 5252170 or 5259902 or 5260126 or 5272236 or 5278272 or 5288791 or 5290842 or 5296080 or 5304599 or 5308345 or 5312500 or 5324580 or 5332613 or 5334437 or 5334446 or 5336545 or 5336552 or 5342469).pn.																																																																																
US Patent Documents																																																																																	
Note: Applicant is not required to submit a paper copy of cited US Patent Documents																																																																																	
<table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td><input checked="" type="checkbox"/></td><td>1</td><td>5005215</td><td>1991-04-09</td><td>McIlquham</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>2</td><td>5013785</td><td>1991-05-07</td><td>Mizui</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>3</td><td>5028646</td><td>1991-07-02</td><td>Miller et al.</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>4</td><td>5034008</td><td>1991-07-23</td><td>Breitkopf</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>5</td><td>5045133</td><td>1991-09-03</td><td>DaPonte et al.</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>6</td><td>5060349</td><td>1991-10-29</td><td>Walton et al.</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>7</td><td>5073436</td><td>1991-12-17</td><td>Antonacci et al.</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>8</td><td>5093422</td><td>1992-03-03</td><td>Himes</td><td></td><td></td><td></td></tr><tr><td><input checked="" type="checkbox"/></td><td>9</td><td>5100435</td><td>1992-03-31</td><td>Onwumere</td><td></td><td></td><td></td></tr></tbody></table>	init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	<input checked="" type="checkbox"/>	1	5005215	1991-04-09	McIlquham				<input type="checkbox"/>	2	5013785	1991-05-07	Mizui				<input type="checkbox"/>	3	5028646	1991-07-02	Miller et al.				<input type="checkbox"/>	4	5034008	1991-07-23	Breitkopf				<input type="checkbox"/>	5	5045133	1991-09-03	DaPonte et al.				<input type="checkbox"/>	6	5060349	1991-10-29	Walton et al.				<input type="checkbox"/>	7	5073436	1991-12-17	Antonacci et al.				<input type="checkbox"/>	8	5093422	1992-03-03	Himes				<input checked="" type="checkbox"/>	9	5100435	1992-03-31	Onwumere				<div>RECEIVED JUL 24 2003 TC 3700 MAIL ROOM</div>
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass																																																																										
<input checked="" type="checkbox"/>	1	5005215	1991-04-09	McIlquham																																																																													
<input type="checkbox"/>	2	5013785	1991-05-07	Mizui																																																																													
<input type="checkbox"/>	3	5028646	1991-07-02	Miller et al.																																																																													
<input type="checkbox"/>	4	5034008	1991-07-23	Breitkopf																																																																													
<input type="checkbox"/>	5	5045133	1991-09-03	DaPonte et al.																																																																													
<input type="checkbox"/>	6	5060349	1991-10-29	Walton et al.																																																																													
<input type="checkbox"/>	7	5073436	1991-12-17	Antonacci et al.																																																																													
<input type="checkbox"/>	8	5093422	1992-03-03	Himes																																																																													
<input checked="" type="checkbox"/>	9	5100435	1992-03-31	Onwumere																																																																													



10	5108820	1992-04-28	Kaneko et al.
11	5112889	1992-05-12	Miller et al.
12	5114087	1992-05-19	Fisher et al.
13	5116662	1992-05-26	Morman
14	5147487	1992-09-15	Nomura et al.
15	5169706	1992-12-08	Collier, IV et al.
16	5169712	1992-12-08	Tapp
17	5176668	1993-01-05	Bernardin
18	5176672	1993-01-05	Bruemmer et al.
19	5186779	1993-02-16	Tubbs
20	5192606	1993-03-09	Proxmire et al.
21	5198281	1993-03-30	Muzzy et al.
22	5200246	1993-04-06	Sabee
23	5204429	1993-04-20	Kaminsky et al.
24	5209801	1993-05-11	Smith
25	5219633	1993-06-15	Sabee
26	5226992	1993-07-13	Morman
27	5229191	1993-07-20	Austin
28	5232777	1993-08-03	Sipinen et al.
29	5236430	1993-08-17	Bridges
30	5236770	1993-08-17	Assent et al.
31	5238733	1993-08-24	Joseph et al.
32	5246433	1993-09-21	Hasse et al.
33	5252170	1993-10-12	Schaupp
34	5259902	1993-11-09	Muckenfuhs
35	5260126	1993-11-09	Collier, IV et al.
36	5272236	1993-12-21	Lai et al.
37	5278272	1994-01-11	Lai et al.
38	5288791	1994-02-11	Collier, IV et al.
39	5290842	1994-03-01	Sasaki et al.
40	5296080	1994-03-22	Merkatoris et al.
41	5304599	1994-04-19	Himes
42	5308345	1994-05-03	Herrin
43	5312500	1994-05-17	Kurihara et al.
44	5324580	1994-06-28	Allan et al.
45	5332613	1994-07-26	Taylor et al.

103700 MAIL ROOM

JUL 24 2003

RECEIVED



	46	5334437	1994-08-02	Zafiroglu
	47	5334446	1994-08-02	Quantrille et al.
	48	5336545	1994-08-09	Morman
	49	5336552	1994-08-09	Strack et al.
	50	5342469	1994-08-30	Bodford et al.

Signature

Examiner Name	Date
<i>mmu</i>	9-11-03

RECEIVED
JUL 24 2003
TC 3700 MAIL ROOM



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	SEPARATED TARGETED ELASTIC ZONE FOR IMPROVED PROCESS AND PRODUCT FUNCTION						
Application Number:	10/015935						
Confirmation Number:	2923						
First Named Applicant:	Raymond St. Louis						
Attorney Docket Number:	KCC-16,727						
Art Unit:	3761						
Examiner:	Karin Reichle						
Search string:	(5360854 or 5364382 or 5366793 or 5376198 or 5376430 or 5382400 or 5385775 or 5389173 or 5393599 or 5399219 or 5405682 or 5407507 or 5411618 or 5413654 or 5413849 or 5415644 or 5415925 or 5422172 or 5425987 or 5429629 or 5429694 or 5431644 or 5431991 or 5447462 or 5447508 or 5464401 or 5472775 or 5476458 or 5476563 or 5484645 or 5486166 or 5490846 or 5496298 or 5498468 or 5500075 or 5501679 or 5509915 or 5514470 or 5516476 or 5523146 or 5527300 or 5531850 or 5534330 or 5540796 or 5540976 or 5543206 or 5545285 or 5549964 or 5569232 or 5575783).pn.						
US Patent Documents							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
<input checked="" type="checkbox"/>	1	5360854	1994-11-01	Bozich, Jr.			
<input checked="" type="checkbox"/>	2	5364382	1994-11-15	Latimer et al.			
<input checked="" type="checkbox"/>	3	5366793	1994-11-22	Fitts, Jr. et al.			
<input checked="" type="checkbox"/>	4	5376198	1994-12-27	Fahrenkrug et al.			
<input checked="" type="checkbox"/>	5	5376430	1994-12-27	Swenson et al.			
<input checked="" type="checkbox"/>	6	5382400	1995-01-17	Pike et al.			
<input checked="" type="checkbox"/>	7	5385775	1995-01-31	Wright			
<input checked="" type="checkbox"/>	8	5389173	1995-02-14	Merkatoris et al.			
<input checked="" type="checkbox"/>	9	5393599	1995-02-23	Quantrille et al.			

RECEIVED
JUL 24 2003
TC 3100 MAIL ROOM



10	5399219	1995-03-21	Roessler et al.
11	5405682	1995-04-11	Shawyer et al.
12	5407507	1995-04-18	Ball
13	5411618	1995-05-02	Jocewicz, Jr.
14	5413654	1995-05-09	Igaue et al.
15	5413849	1995-05-09	Austin et al.
16	5415644	1995-05-16	Enloe
17	5415925	1995-05-16	Austin et al.
18	5422172	1995-06-06	Wu
19	5425987	1995-06-20	Shawver et al.
20	5429629	1995-07-04	Latimer et al.
21	5429694	1995-07-04	Herrmann
22	5431644	1995-07-11	Sipinen et al.
23	5431991	1995-07-11	Quantrille et al.
24	5447462	1995-09-05	Smith et al.
25	5447508	1995-09-05	Numano et al.
26	5464401	1995-11-07	Hasse et al.
27	5472775	1995-12-05	Obijeski et al.
28	5476458	1995-12-19	Glaug et al.
29	5476563	1995-12-19	Nakata
30	5484645	1996-01-16	Lickfield et al.
31	5486166	1996-01-23	Bishop et al.
32	5490846	1996-02-13	Ellis et al.
33	5496298	1996-03-05	Kuepper et al.
34	5498468	1996-03-12	Blaney
35	5500075	1996-03-19	Herrmann
36	5501679	1996-03-26	Krueger et al.
37	5509915	1996-04-23	Hanson et al.
38	5514470	1996-05-07	Haffner et al.
39	5516476	1996-05-14	Haggard et al.
40	5523146	1996-06-04	Bodford et al.
41	5527300	1996-06-18	Sauer
42	5531850	1996-07-02	Herrmann
43	5534330	1996-07-09	Groshens
44	5540796	1996-07-30	Fries
45	5540976	1996-07-30	Shawver et al.

RECEIVED
JUL 24 2003
TC 3700 MAIL ROOM



<input checked="" type="checkbox"/>	46	5543206	1996-08-06	Austin et al.
<input type="checkbox"/>	47	5545285	1996-08-13	Johnson
<input type="checkbox"/>	48	5549964	1996-08-27	Shohji et al.
<input type="checkbox"/>	49	5569232	1996-10-29	Roe et al.
<input checked="" type="checkbox"/>	50	5575783	1996-11-19	Clear et al.

Signature

Examiner Name	Date
<i>Mr. Reiche</i>	<i>9-11-03</i>

RECEIVED
JUL 24 2003
TC 3700 MAIL ROOM



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	SEPARATED TARGETED ELASTIC ZONE FOR IMPROVED PROCESS AND PRODUCT FUNCTION						
<div>Application Number: 10/015935</div> <div>Confirmation Number: 2923</div> <div>First Named Applicant: Raymond St. Louis</div> <div>Attorney Docket Number: KCC-16,727</div> <div>Art Unit: 3761</div> <div>Examiner: Karin Reichle</div> <div>Search string: (5576090 or 5582668 or 5591152 or 5591792 or 5595618 or 5597430 or 5612118 or 5614276 or 5620780 or 5624740 or 5626573 or 5628856 or 5645672 or 5652041 or 5660664 or 5663228 or 5669897 or 5680653 or 5681302 or 5683787 or 5690626 or 5691034 or 5693038 or 5695849 or 5707709 or 5709921 or 5720838 or 5733635 or 5733822 or 5735839 or 5736219 or 5746731 or 5749865 or 5749866 or 5766737 or 5769838 or 5769993 or 5772649 or 5773373 or 5773374 or 5788804 or 5789065 or 5789328 or 5789474 or 5800903 or 5804021 or 5804286 or 5814176 or 5817087 or 5702378).pn.</div> <div>RECEIVED JUL 24 2003 TC 3700 MAIL ROOM</div>							
US Patent Documents							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
<input checked="" type="checkbox"/>	1	5576090	1996-11-19	Suzuki			
<input type="checkbox"/>	2	5582668	1996-12-10	Kling			
<input type="checkbox"/>	3	5591152	1997-01-07	Buell et al.			
<input type="checkbox"/>	4	5591792	1997-01-07	Hattori et al.			
<input type="checkbox"/>	5	5595618	1997-01-21	Fries et al.			
<input type="checkbox"/>	6	5597430	1997-01-28	Rasche			
<input type="checkbox"/>	7	5612118	1997-03-18	Schleinz et al.			
<input type="checkbox"/>	8	5614276	1997-03-25	Petsetakis			
<input checked="" type="checkbox"/>	9	5620780	1997-04-15	Krueger et al.			



10	5624740	1997-04-29	Nakata
11	5626573	1997-05-06	Igaue et al.
12	5628856	1997-05-13	Dobrin et al.
13	5645672	1997-07-03	Dobrin
14	5652041	1997-07-29	Buerger et al.
15	5660664	1997-08-26	Herrmann
16	5663228	1997-09-02	Sasaki et al.
17	5669897	1997-09-23	Lavon et al.
18	5680653	1997-10-28	Mathis et al.
19	5681302	1997-10-28	Melbye et al.
20	5683787	1997-11-04	Boich et al.
21	5690626	1997-11-25	Suzuki et al.
22	5691034	1997-11-25	Krueger et al.
23	5693038	1997-12-02	Suzuki et al.
24	5695849	1997-12-09	Shawver et al.
25	5707709	1998-01-13	Blake
26	5709921	1998-01-20	Shawver
27	5720838	1998-02-24	Nakata
28	5733635	1998-03-31	Terakawa et al.
29	5733822	1998-03-31	Gessner et al.
30	5735839	1998-04-07	Kawaguchi et al.
31	5736219	1998-04-07	Suehr et al.
32	5746731	1998-05-05	Hisada
33	5749865	1998-05-12	Yamamoto et al.
34	5749866	1998-05-12	Roe et al.
35	5766737	1998-06-16	Willey et al.
36	5769838	1998-06-23	Buell et al.
37	5769993	1998-06-23	Baldauf
38	5772649	1998-06-30	Siudzinski
39	5773373	1998-06-30	Wynne et al.
40	5773374	1998-06-30	Wood et al.
41	5788804	1998-08-04	Horsting
42	5789065	1998-08-04	Haffner et al.
43	5789328	1998-08-04	Kurihara et al.
44	5789474	1998-08-04	Lu et al.
45	5800903	1998-09-01	Wood et al.

RECEIVED

JUL 24, 2003

IC 3700 MAIL ROOM



<input checked="" type="checkbox"/>	46	5804021	1998-09-08	Abuto et al.
<input type="checkbox"/>	47	5804286	1998-09-08	Quantrille et al.
<input type="checkbox"/>	48	5814176	1998-09-29	Proulx
<input type="checkbox"/>	49	5817087	1998-10-06	Takabayashi et al.
<input checked="" type="checkbox"/>	50	5702378	1997-12-30	Widlund et al.

Signature

Examiner Name	Date
<i>Km Reichle</i>	<i>9-11-03</i>

RECEIVED
JUL 24 2003
TC 3700 MAIL ROOM



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	SEPARATED TARGETED ELASTIC ZONE FOR IMPROVED PROCESS AND PRODUCT FUNCTION																																																																																						
<p>Application Number: 10/015935</p> <p>Confirmation Number: 2923</p> <p>First Named Applicant: Raymond St. Louis</p> <p>Attorney Docket Number: KCC-16,727</p> <p>Art Unit: 3761</p> <p>Examiner: Karin Reichle</p> <p>Search string: (5818719 or 5830203 or 5834089 or 5836931 or 5836932 or 5840412 or 5840633 or 5846232 or 5849001 or 5856387 or 5860945 or 5865933 or 5876392 or 5879776 or 5885656 or 5885686 or 5897546 or 5899895 or 5916206 or 5921973 or 5930139 or 5931581 or 5932039 or 5941865 or 5952252 or 5964970 or 5964973 or 5990377 or 5993433 or 5997521 or 6004306 or 6033502 or 6045543 or 6048326 or 6057024 or 6066369 or 6087550 or 6090234 or 6092002 or 6093663 or 6096668 or 6123694 or 6132410 or 6152904 or 6169848 or 6183587 or 6183847 or 6214476 or 6217690 or 6231557).pn.</p>																																																																																							
<p>US Patent Documents</p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td><input checked="" type="checkbox"/></td><td>1</td><td>5818719</td><td>1998-10-06</td><td>Brandon et al.</td><td></td><td></td><td></td></tr><tr><td><input checked="" type="checkbox"/></td><td>2</td><td>5830203</td><td>1998-11-03</td><td>Suzuki et al.</td><td></td><td></td><td></td></tr><tr><td><input checked="" type="checkbox"/></td><td>3</td><td>5834089</td><td>1998-11-10</td><td>Jones et al.</td><td></td><td></td><td></td></tr><tr><td><input checked="" type="checkbox"/></td><td>4</td><td>5836931</td><td>1998-11-17</td><td>Toyoda et al.</td><td></td><td></td><td></td></tr><tr><td><input checked="" type="checkbox"/></td><td>5</td><td>5836932</td><td>1998-11-17</td><td>Buell et al.</td><td></td><td></td><td></td></tr><tr><td><input checked="" type="checkbox"/></td><td>6</td><td>5840412</td><td>1998-11-24</td><td>Wood et al.</td><td></td><td></td><td></td></tr><tr><td><input checked="" type="checkbox"/></td><td>7</td><td>5840633</td><td>1998-11-24</td><td>Kurihara et al.</td><td></td><td></td><td></td></tr><tr><td><input checked="" type="checkbox"/></td><td>8</td><td>5846232</td><td>1998-12-08</td><td>Serbiak et al.</td><td></td><td></td><td></td></tr><tr><td><input checked="" type="checkbox"/></td><td>9</td><td>5849001</td><td>1998-12-15</td><td>Torimae et al.</td><td></td><td></td><td></td></tr></tbody></table>								init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	<input checked="" type="checkbox"/>	1	5818719	1998-10-06	Brandon et al.				<input checked="" type="checkbox"/>	2	5830203	1998-11-03	Suzuki et al.				<input checked="" type="checkbox"/>	3	5834089	1998-11-10	Jones et al.				<input checked="" type="checkbox"/>	4	5836931	1998-11-17	Toyoda et al.				<input checked="" type="checkbox"/>	5	5836932	1998-11-17	Buell et al.				<input checked="" type="checkbox"/>	6	5840412	1998-11-24	Wood et al.				<input checked="" type="checkbox"/>	7	5840633	1998-11-24	Kurihara et al.				<input checked="" type="checkbox"/>	8	5846232	1998-12-08	Serbiak et al.				<input checked="" type="checkbox"/>	9	5849001	1998-12-15	Torimae et al.			
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass																																																																																
<input checked="" type="checkbox"/>	1	5818719	1998-10-06	Brandon et al.																																																																																			
<input checked="" type="checkbox"/>	2	5830203	1998-11-03	Suzuki et al.																																																																																			
<input checked="" type="checkbox"/>	3	5834089	1998-11-10	Jones et al.																																																																																			
<input checked="" type="checkbox"/>	4	5836931	1998-11-17	Toyoda et al.																																																																																			
<input checked="" type="checkbox"/>	5	5836932	1998-11-17	Buell et al.																																																																																			
<input checked="" type="checkbox"/>	6	5840412	1998-11-24	Wood et al.																																																																																			
<input checked="" type="checkbox"/>	7	5840633	1998-11-24	Kurihara et al.																																																																																			
<input checked="" type="checkbox"/>	8	5846232	1998-12-08	Serbiak et al.																																																																																			
<input checked="" type="checkbox"/>	9	5849001	1998-12-15	Torimae et al.																																																																																			

RECEIVED
JUL 24 2003
TC 3700 MAIL ROOM



10	5856387	1999-01-05	Sasaki et al.
11	5860945	1999-01-19	Cramer et al.
12	5865933	1999-02-02	Morin et al.
13	5876392	1999-03-02	Hisada
14	5879776	1999-03-09	Nakata
15	5885656	1999-03-23	Goldwasser
16	5885686	1999-03-23	Cederblad et al.
17	5897546	1999-04-27	Kido et al.
18	5899895	1999-05-04	Robles et al.
19	5916206	1999-06-29	Otsubo et al.
20	5921973	1999-07-13	Newkirk et al.
21	5930139	1999-07-27	Chapdelaine et al.
22	5931581	1999-08-03	Garberg et al.
23	5932039	1999-08-03	Popp et al.
24	5941865	1999-08-24	Otsubo et al.
25	5952252	1999-09-14	Shawver et al.
26	5964970	1999-10-12	Woolwine et al.
27	5964973	1999-10-12	Heath et al.
28	5990377	1999-11-23	Chen et al.
29	5993433	1999-11-30	St. Louis et al.
30	5997521	1999-12-07	Robles et al.
31	6004306	1999-12-21	Robles et al.
32	6033502	2000-03-07	Coenen et al.
33	6045543	2000-04-04	Pozniak et al.
34	6048326	2000-04-11	Davis et al.
35	6057024	2000-05-02	Mleziva et al.
36	6066369	2000-05-23	Schulz et al.
37	6087550	2000-07-11	Anderson-Fischer et al.
38	6090234	2000-07-18	Barone et al.
39	6092002	2000-07-18	Kastman et al.
40	6093663	2000-07-25	Ouellette et al.
41	6096668	2000-08-01	Abuto et al.
42	6123694	2000-09-26	Pieniak et al.
43	6132410	2000-10-17	Van Gompel et al.
44	6152904	2000-11-28	Matthews et al.
45	6169848	2001-01-02	Henry

RECEIVED
JUL 24 2003
TO 3700 MAIL ROOM



<input checked="" type="checkbox"/>	46	6183587	2001-02-06	McFall et al.
<input type="checkbox"/>	47	6183847	2001-02-06	Goldwasser
<input type="checkbox"/>	48	6214476	2001-04-10	Ikedo et al.
<input type="checkbox"/>	49	6217690	2001-04-17	Rajala et al.
<input checked="" type="checkbox"/>	50	6231557	2001-05-15	Krautkramer et al.

Signature

Examiner Name	Date
<i>K. M. Reiche</i>	<i>9-11-03</i>

RECEIVED
JUL 24 2003
TC 3700 MAIL ROOM



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	SEPARATED TARGETED ELASTIC ZONE FOR IMPROVED PROCESS AND PRODUCT FUNCTION																																																																																																								
<p>Application Number: 10/015935</p> <p>Confirmation Number: 2923</p> <p>First Named Applicant: Raymond St. Louis</p> <p>Attorney Docket Number: KCC-16,727</p> <p>Art Unit: 3761</p> <p>Examiner: Karin Reichle</p> <p>Search string: (6238379 or 6245050 or 6260211 or 6279807 or 6290979 or 6310164 or 6316013 or 6316687 or 6316688 or 6320096 or 6323389 or 6329459 or 6364863 or 6365659 or 6475600 or 6537935 or D284036 or D331627 or D335707 or D340283 or D414262 or 20020002021 or 20020009940 or 20020019616 or 20020104608 or 20020138063 or 20020164465).pn.</p>																																																																																																									
<p>US Patent Documents</p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td><input checked="" type="checkbox"/></td><td>1</td><td>6238379</td><td>2001-05-29</td><td>Keuhn, Jr. et al.</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>2</td><td>6245050</td><td>2001-06-12</td><td>Odorzynski et al.</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>3</td><td>6260211</td><td>2001-07-17</td><td>Rajala et al.</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>4</td><td>6279807</td><td>2001-08-28</td><td>Crowley et al.</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>5</td><td>6290979</td><td>2001-09-18</td><td>Roe et al.</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>6</td><td>6310164</td><td>2001-10-30</td><td>Morizono et al.</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>7</td><td>6316013</td><td>2001-11-13</td><td>Paul et al.</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>8</td><td>6316687</td><td>2001-11-13</td><td>Davis et al.</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>9</td><td>6316688</td><td>2001-11-13</td><td>Hammons et al.</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>10</td><td>6320096</td><td>2001-11-20</td><td>Inoui et al.</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>11</td><td>6323389</td><td>2001-11-27</td><td>Thomas et al.</td><td></td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>12</td><td>6329459</td><td>2001-12-11</td><td>Kang et al.</td><td></td><td></td><td></td></tr></tbody></table>		init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	<input checked="" type="checkbox"/>	1	6238379	2001-05-29	Keuhn, Jr. et al.				<input type="checkbox"/>	2	6245050	2001-06-12	Odorzynski et al.				<input type="checkbox"/>	3	6260211	2001-07-17	Rajala et al.				<input type="checkbox"/>	4	6279807	2001-08-28	Crowley et al.				<input type="checkbox"/>	5	6290979	2001-09-18	Roe et al.				<input type="checkbox"/>	6	6310164	2001-10-30	Morizono et al.				<input type="checkbox"/>	7	6316013	2001-11-13	Paul et al.				<input type="checkbox"/>	8	6316687	2001-11-13	Davis et al.				<input type="checkbox"/>	9	6316688	2001-11-13	Hammons et al.				<input type="checkbox"/>	10	6320096	2001-11-20	Inoui et al.				<input type="checkbox"/>	11	6323389	2001-11-27	Thomas et al.				<input type="checkbox"/>	12	6329459	2001-12-11	Kang et al.			
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass																																																																																																		
<input checked="" type="checkbox"/>	1	6238379	2001-05-29	Keuhn, Jr. et al.																																																																																																					
<input type="checkbox"/>	2	6245050	2001-06-12	Odorzynski et al.																																																																																																					
<input type="checkbox"/>	3	6260211	2001-07-17	Rajala et al.																																																																																																					
<input type="checkbox"/>	4	6279807	2001-08-28	Crowley et al.																																																																																																					
<input type="checkbox"/>	5	6290979	2001-09-18	Roe et al.																																																																																																					
<input type="checkbox"/>	6	6310164	2001-10-30	Morizono et al.																																																																																																					
<input type="checkbox"/>	7	6316013	2001-11-13	Paul et al.																																																																																																					
<input type="checkbox"/>	8	6316687	2001-11-13	Davis et al.																																																																																																					
<input type="checkbox"/>	9	6316688	2001-11-13	Hammons et al.																																																																																																					
<input type="checkbox"/>	10	6320096	2001-11-20	Inoui et al.																																																																																																					
<input type="checkbox"/>	11	6323389	2001-11-27	Thomas et al.																																																																																																					
<input type="checkbox"/>	12	6329459	2001-12-11	Kang et al.																																																																																																					

RECEIVED
JUL 24 2003
TC 3700 MAIL ROOM



<input checked="" type="checkbox"/>	13	6364863	2002-04-02	Yamamoto et al.
<input checked="" type="checkbox"/>	14	6365659	2002-04-02	Aoyama et al.
<input checked="" type="checkbox"/>	15	6475600	2002-11-05	Morman et al.
<input checked="" type="checkbox"/>	16	6537935	2003-03-25	Seth et al.
<input checked="" type="checkbox"/>	17	D284036	1986-06-03	Birring
<input checked="" type="checkbox"/>	18	D331627	1992-12-08	Igaue et al.
<input checked="" type="checkbox"/>	19	D335707	1993-05-18	Igaue et al.
<input checked="" type="checkbox"/>	20	D340283	1993-10-12	Igaue et al.
<input checked="" type="checkbox"/>	21	D414262	1999-09-21	Ashton et al.

US Published Applications

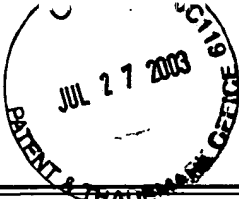
Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
<input checked="" type="checkbox"/>	1	20020002021	2002-01-03	May et al.			
<input checked="" type="checkbox"/>	2	20020009940	2002-01-24	May et al.			
<input checked="" type="checkbox"/>	3	20020019616	2002-02-14	Thomas			
<input checked="" type="checkbox"/>	4	20020104608	2002-08-08	Welch et al.			
<input checked="" type="checkbox"/>	5	20020138063	2002-09-26	Kuen et al.			
<input checked="" type="checkbox"/>	6	20020164465	2002-11-07	Curro et al.			

Signature

Examiner Name	Date
<i>K. M. Reiche</i>	<i>9-11-03</i>

RECEIVED
JUL 24 2003
TC 3700 MAIL ROOM



7

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of Invention	SEPARATED TARGETED ELASTIC ZONE FOR IMPROVED PROCESS AND PRODUCT FUNCTION
-------------------------------	--

Application Number: 10/015935
Confirmation Number: 2923
First Named Applicant: Raymond St. Louis
Attorney Docket Number: KCC-16,727
Art Unit: 3761
Examiner: Karin Reichle
Search string: (4725468 or 4726874 or 4734311 or 4734320
or 4734447 or 4735673 or 4756942 or 4761198
or 4762582 or 4775579 or 4777080 or 4789699
or 4798603 or 4801345 or 4801482 or 4803117
or 4804577 or 4818597 or 4826415 or 4842666
or 4854985 or 4854989 or 4863779 or 4867735
or 4874447 or 4883482 or 4883549 or 4891258
or 4892536 or 4892903 or 4900619 or 4906507
or 4908247 or 4908253 or 4910064 or 4917696
or 4917746 or 4929492 or 4935021 or 4938821
or 4965122 or 4968313 or 4970259 or 4977011
or 4984584 or 4994508 or 4995928 or 4998929
or 5000806 or 5002815).pn.

RECEIVED
JUL 30 2003
TECHNOLOGY CENTER B3700

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
<input checked="" type="checkbox"/>	1	4725468	1988-02-16	McIntyre			
<input type="checkbox"/>	2	4726874	1988-02-23	VanVliet			
<input type="checkbox"/>	3	4734311	1988-03-29	Sokolowski			
<input type="checkbox"/>	4	4734320	1988-03-29	Ohira et al.			
<input type="checkbox"/>	5	4734447	1988-03-29	Hattori et al.			
<input type="checkbox"/>	6	4735673	1988-04-05	Piron			
<input type="checkbox"/>	7	4756942	1988-07-12	Aichele			
<input type="checkbox"/>	8	4761198	1988-08-02	Salerno			
<input checked="" type="checkbox"/>	9	4762582	1988-08-09	de Jonckheere			

10	4775579	1988-10-04	Hagy et al.
11	4777080	1988-10-11	Harris, Jr. et al.
12	4789699	1988-12-06	Kieffer et al.
13	4798603	1989-01-17	Meyer et al.
14	4801345	1989-01-31	Dussaud et al.
15	4801482	1989-01-31	Goggans et al.
16	4803117	1989-02-07	Daponte
17	4804577	1989-02-14	Hazelton et al.
18	4818597	1989-04-04	DaPonte et al.
19	4826415	1989-05-02	Mende
20	4842666	1989-06-27	Werenicz
21	4854985	1989-08-08	Soderlund et al.
22	4854989	1989-08-08	Singheimer
23	4863779	1989-09-05	Daponte
24	4867735	1989-09-19	Wogelius
25	4874447	1989-10-17	Hazelton et al.
26	4883482	1989-11-28	Gandrez et al.
27	4883549	1989-11-28	Frost et al.
28	4891258	1990-01-02	Fahrenkrug
29	4892536	1990-01-09	DesMarais et al.
30	4892903	1990-01-09	Himes
31	4900619	1990-02-13	Ostrowski et al.
32	4906507	1990-03-06	Grynaeus et al.
33	4908247	1990-03-13	Baird et al.
34	4908253	1990-03-13	Rasmussen
35	4910064	1990-03-20	Sabee
36	4917696	1990-04-17	De Jonckheere
37	4917746	1990-04-17	Kons et al.
38	4929492	1990-05-29	Carey, Jr. et al.
39	4935021	1990-06-19	Huffman et al.
40	4938821	1990-07-03	Soderlund et al.
41	4965122	1990-10-23	Morman
42	4968313	1990-11-06	Sabee
43	4970259	1990-11-13	Mitchell et al.
44	4977011	1990-12-11	Smith
45	4984584	1991-01-15	Hansen et al.

<input checked="" type="checkbox"/>	46	4994508	1991-02-19	Shiraki et al.
<input type="checkbox"/>	47	4995928	1991-02-25	Sabee
<input type="checkbox"/>	48	4998929	1991-03-12	Bjorksund et al.
<input type="checkbox"/>	49	5000806	1991-03-19	Merkatoris et al.
<input checked="" type="checkbox"/>	50	5002815	1991-03-26	Yamanaka et al.

Signature

Examiner Name	Date
K. M. Kerche	9-11-03



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	SEPARATED TARGETED ELASTIC ZONE FOR IMPROVED PROCESS AND PRODUCT FUNCTION																																																																																
<p>Application Number: 10/015935</p> <p>Confirmation Number: 2923</p> <p>First Named Applicant: Raymond St. Louis</p> <p>Attorney Docket Number: KCC-16,727</p> <p>Art Unit: 3761</p> <p>Examiner: Karin Reichle</p> <p>Search string: (4259220 or 4285998 or 4300562 or 4302495 or 4303571 or 4304234 or 4310594 or 4319572 or 4323534 or 4333782 or 4340558 or 4375446 or 4405397 or 4413623 or 4417935 or 4418123 or 4438167 or 4440819 or 4490427 or 4496417 or 4507163 or 4522863 or 4525407 or 4543099 or 4548859 or 4552795 or 4555811 or 4572752 or 4586199 or 4606964 or 4618384 or 4626305 or 4636419 or 4640859 or 4644045 or 4652487 or 4656081 or 4657793 or 4657802 or 4661389 or 4663220 or 4666542 or 4675068 or 4683877 or 4687477 or 4692368 or 4692371 or 4718901 or 4719261 or 4720415).pn.</p>																																																																																	
<p>RECEIVED JUL 30 2003 TECHNOLOGY CENTER #3700</p>																																																																																	
<h3>US Patent Documents</h3> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td><input checked="" type="checkbox"/></td><td>1</td><td>4259220</td><td>1981-03-31</td><td>Bunnelle et al.</td><td></td><td></td><td></td></tr><tr><td><input checked="" type="checkbox"/></td><td>2</td><td>4285998</td><td>1981-08-25</td><td>Thibodeau</td><td></td><td></td><td></td></tr><tr><td><input checked="" type="checkbox"/></td><td>3</td><td>4300562</td><td>1981-11-17</td><td>Pieniak</td><td></td><td></td><td></td></tr><tr><td><input checked="" type="checkbox"/></td><td>4</td><td>4302495</td><td>1981-11-24</td><td>Marra</td><td></td><td></td><td></td></tr><tr><td><input checked="" type="checkbox"/></td><td>5</td><td>4303571</td><td>1981-12-01</td><td>Jansen et al.</td><td></td><td></td><td></td></tr><tr><td><input checked="" type="checkbox"/></td><td>6</td><td>4304234</td><td>1981-12-08</td><td>Hartmann</td><td></td><td></td><td></td></tr><tr><td><input checked="" type="checkbox"/></td><td>7</td><td>4310594</td><td>1982-01-12</td><td>Yamazaki et al.</td><td></td><td></td><td></td></tr><tr><td><input checked="" type="checkbox"/></td><td>8</td><td>4319572</td><td>1982-03-16</td><td>Widlund et al.</td><td></td><td></td><td></td></tr><tr><td><input checked="" type="checkbox"/></td><td>9</td><td>4323534</td><td>1982-04-06</td><td>DesMarais</td><td></td><td></td><td></td></tr></tbody></table>		init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	<input checked="" type="checkbox"/>	1	4259220	1981-03-31	Bunnelle et al.				<input checked="" type="checkbox"/>	2	4285998	1981-08-25	Thibodeau				<input checked="" type="checkbox"/>	3	4300562	1981-11-17	Pieniak				<input checked="" type="checkbox"/>	4	4302495	1981-11-24	Marra				<input checked="" type="checkbox"/>	5	4303571	1981-12-01	Jansen et al.				<input checked="" type="checkbox"/>	6	4304234	1981-12-08	Hartmann				<input checked="" type="checkbox"/>	7	4310594	1982-01-12	Yamazaki et al.				<input checked="" type="checkbox"/>	8	4319572	1982-03-16	Widlund et al.				<input checked="" type="checkbox"/>	9	4323534	1982-04-06	DesMarais			
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass																																																																										
<input checked="" type="checkbox"/>	1	4259220	1981-03-31	Bunnelle et al.																																																																													
<input checked="" type="checkbox"/>	2	4285998	1981-08-25	Thibodeau																																																																													
<input checked="" type="checkbox"/>	3	4300562	1981-11-17	Pieniak																																																																													
<input checked="" type="checkbox"/>	4	4302495	1981-11-24	Marra																																																																													
<input checked="" type="checkbox"/>	5	4303571	1981-12-01	Jansen et al.																																																																													
<input checked="" type="checkbox"/>	6	4304234	1981-12-08	Hartmann																																																																													
<input checked="" type="checkbox"/>	7	4310594	1982-01-12	Yamazaki et al.																																																																													
<input checked="" type="checkbox"/>	8	4319572	1982-03-16	Widlund et al.																																																																													
<input checked="" type="checkbox"/>	9	4323534	1982-04-06	DesMarais																																																																													

10	4333782	1982-06-08	Pieniak
11	4340558	1982-07-20	Hendrickson
12	4375446	1983-03-01	Fujii et al.
13	4405397	1983-09-20	Teed
14	4413623	1983-11-08	Pieniak
15	4417935	1983-11-29	Spencer
16	4418123	1983-11-29	Bunnelle et al.
17	4438167	1984-03-20	Schwarz
18	4440819	1984-04-03	Rosser et al.
19	4490427	1984-12-25	Grant et al.
20	4496417	1985-01-29	Haake et al.
21	4507163	1985-03-26	Menard
22	4522863	1985-06-11	Keck et al.
23	4525407	1985-06-25	Ness
24	4543099	1985-09-24	Bunnelle et al.
25	4548859	1985-10-22	Kline et al.
26	4552795	1985-11-12	Hansen et al.
27	4555811	1985-12-03	Shimalla
28	4572752	1986-02-25	Jensen et al.
29	4586199	1986-05-06	Birring
30	4606964	1986-08-19	Wideman
31	4618384	1986-10-21	Sabee
32	4626305	1986-12-02	Suzuki et al.
33	4636419	1987-01-13	Madsen et al.
34	4640859	1987-02-08	Hansen et al.
35	4644045	1987-02-17	Fowells
36	4652487	1987-03-24	Morman
37	4656081	1987-04-07	Ando et al.
38	4657793	1987-04-14	Fisher
39	4657802	1987-04-14	Morman
40	4661389	1987-04-28	Mudge et al.
41	4663220	1987-05-05	Wisneski et al.
42	4666542	1987-05-19	De Jonckheere
43	4675068	1987-06-28	Lundmark
44	4683877	1987-08-04	Ersfeld et al.
45	4687477	1987-08-18	Suzuki et al.

<input checked="" type="checkbox"/>	46	4692368	1987-09-08	Taylor et al.
<input type="checkbox"/>	47	4692371	1987-09-08	Morman et al.
<input type="checkbox"/>	48	4718901	1988-01-12	Singheimer
<input type="checkbox"/>	49	4719261	1988-01-12	Bunnelle et al.
<input checked="" type="checkbox"/>	50	4720415	1988-01-19	Vander Wielen et al.

Signature

Examiner Name	Date
<i>K. M. Reiche</i>	<i>9-11-03</i>

FORM PTO-1449
(MODIFIED)



U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
KCC-16,727

SERIAL NO.
10/015,935

LIST OF PRIOR ART CITED BY APPLICANT
(Use several sheets if necessary)

APPLICANT(S)
Raymond Gerard St. LOUIS et al.

FILING DATE
12 December 2001

GROUP
376T 3700

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

RECEIVED
AUG 20 2003
TECHNOLOGY CENTER R3700

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
mz	AL	2,165,486	06/1996	Canada				
	AM	DE 34 23 644 A1	01/1986	Germany				
	AN	DE 37 34 963 A1	04/1988	Germany				
	AO	GB 2 244 422 A	12/1991	Great Britain				
	AP	GB 2 250 921 A	06/1992	Great Britain				

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	
	AS	
	AT	

EXAMINER

K.m. Reiche

DATE CONSIDERED

5-11-03

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

USCOMM-DC 80-3985

FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

KCC-16,727

10/015,935

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT(S)

Raymond Gerard St. LOUIS et al.

FILING DATE

12 December 2001

GROUP

3761

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

RECEIVED

AUG 20 2003

TECHNOLOGY CENTER R3700

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>RM</i>	AL	GB 2 267 024 A	11/1993	Great Britain				
<i>RM</i>	AM	GB 2 268 389 A	01/1994	Great Britain				
	AN	EP 0 455 036 A2	09/1985	EPO				
<i>RM</i>	AO	EP 0 172 037 B1	02/1989	EPO				
	AP	EP 0 217 032 B1	02/1992	EPO				

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	
	AS	
	AT	

EXAMINER

K. M. Reiche

DATE CONSIDERED

9-11-03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

USCOMM-DC 80-3985